HIGHER-PERFORMANCE SPARK PLUG and RAMROD ENGINE IGNITION SYSTEM USING PIEZO-ELECTRIC ENHANCEMENT COMPONENTS

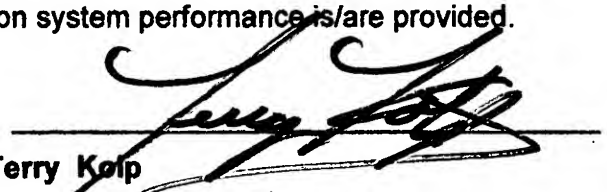
ABSTRACT: This invention constitutes improvements and innovates with novel preferred embodiments the use of a new spark plug casting mold and process—using either wax or recycled plastic resins for more flexibly casting the bulk of this novel spark plug design and its corresponding now unique method of manufacture.

A utility invention and design for providing new improved spark plug(s) and engine ignition components configured in a new manner and for/and as an internal combustion engine ignition system (s); that specifically are also unique and novel in both design configuration(s), some operation(s), method(s) of manufacture and product(s) assembly; plus also novel and original in the specific chemistry of some metal alloy formulas; and the componentization(s) of some of this/these new combined spark plug/ignition system configuration(s) with unique and novel piezo-electric components.

This/these invention(s) also constitutes improvements and innovates with novel preferred embodiments the use of a new spark plug casting mold and process—using either wax or recycled plastic resins for more flexibly casting the bulk of this novel spark plug design and its corresponding now unique method of manufacture.

The objects and advantages of new comprehensive design and unique manufacturing configuration processes will also incorporate and demonstrate an improved satisfactory spark plug and engine ignition system electrode(s) which can be efficiently manufactured and can be accomplished by fuse-weld connection continuity/welding of a wire around the center electrode. Which in a variant of this novel patent design configuration will result in improvements in the electron flow or spark to emanate or to "ramrod" "shoot-out" like a "shooting star or rocket" in comparison to all conventional and all prior spark plug designs, configurations and engine ignition system performance and operation(s).

Thus, both an improved spark plug and ignition system performance is/are provided.



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